Package ‘randomcoloR’

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Type Package
Title Generate Attractive Random Colors
Version 1.1.0.1
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Description Simple methods to generate attractive random colors. The random colors are from a wrapper of ‘randomColor.js’ <https://github.com/davidmerfield/randomColor>. In addition, it also generates optimally distinct colors based on k-means (inspired by ‘IWantHue’ <https://github.com/medialab/iwanthue>).
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BugReports https://github.com/ronammar/randomcoloR/issues
LazyData TRUE
RoxygenNote 6.0.1
Imports colorspace, stringr, V8, stats, methods, scales, Rtsne, grDevices, cluster
NeedsCompilation no
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distinctColorPalette  Generate palettes of optimally distinct colors.

Description

Inspired by the theory from http://tools.medialab.sciences-po.fr/iwanthue/theory.php For more info, also see https://en.wikipedia.org/wiki/Lab_color_space

Usage

distinctColorPalette(k = 1, altCol = FALSE, runTsne = FALSE)

Arguments

- **k**: number of colors (>= 1). May be ineffective for k > 40.
- **altCol**: Use an alternate color space.
- **runTsne**: Preprocess color space with t-SNE to obtain distinct colors. Reduces performance.

Value

- A character vector of k optimally distinct colors in hexadecimal codes.

randomColor  Get a pretty random color.

Description

Get a pretty random color.

Usage

randomColor(count = 1, hue = c(" ", "random", "red", "orange", "yellow", "green", "blue", "purple", "pink", "monochrome"), luminosity = c(" ", "random", "light", "bright", "dark"))

Arguments

- **count**: number of colors (>= 1)
- **hue**: The hue of the colors to be selected.
- **luminosity**: The luminosity of the colors to be selected.

Value

- A character vector of random color hexadecimal codes.
**randomColor**

**Examples**

randomColor()

randomColor(hue="pink")

randomColor(10, luminosity="light")
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